

Figure 1

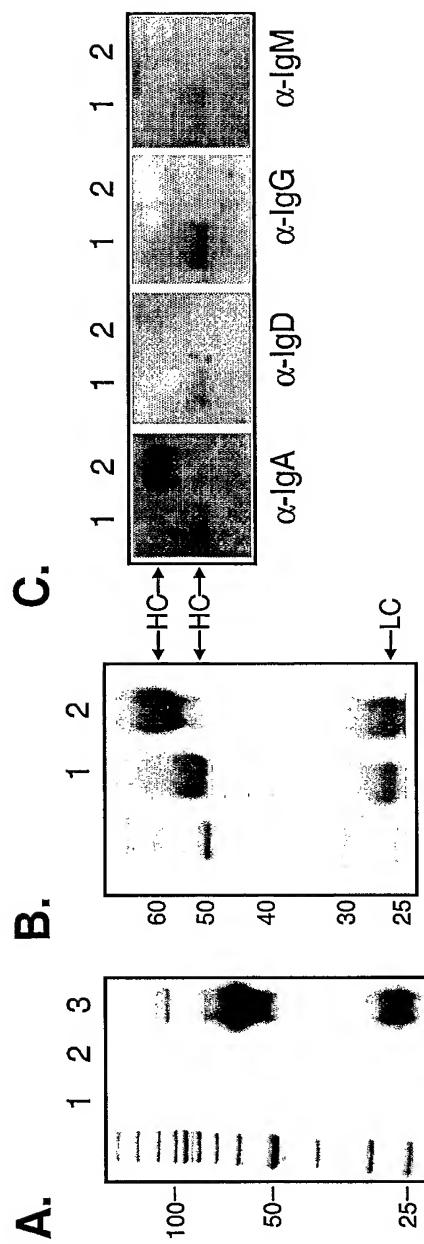


Figure 2

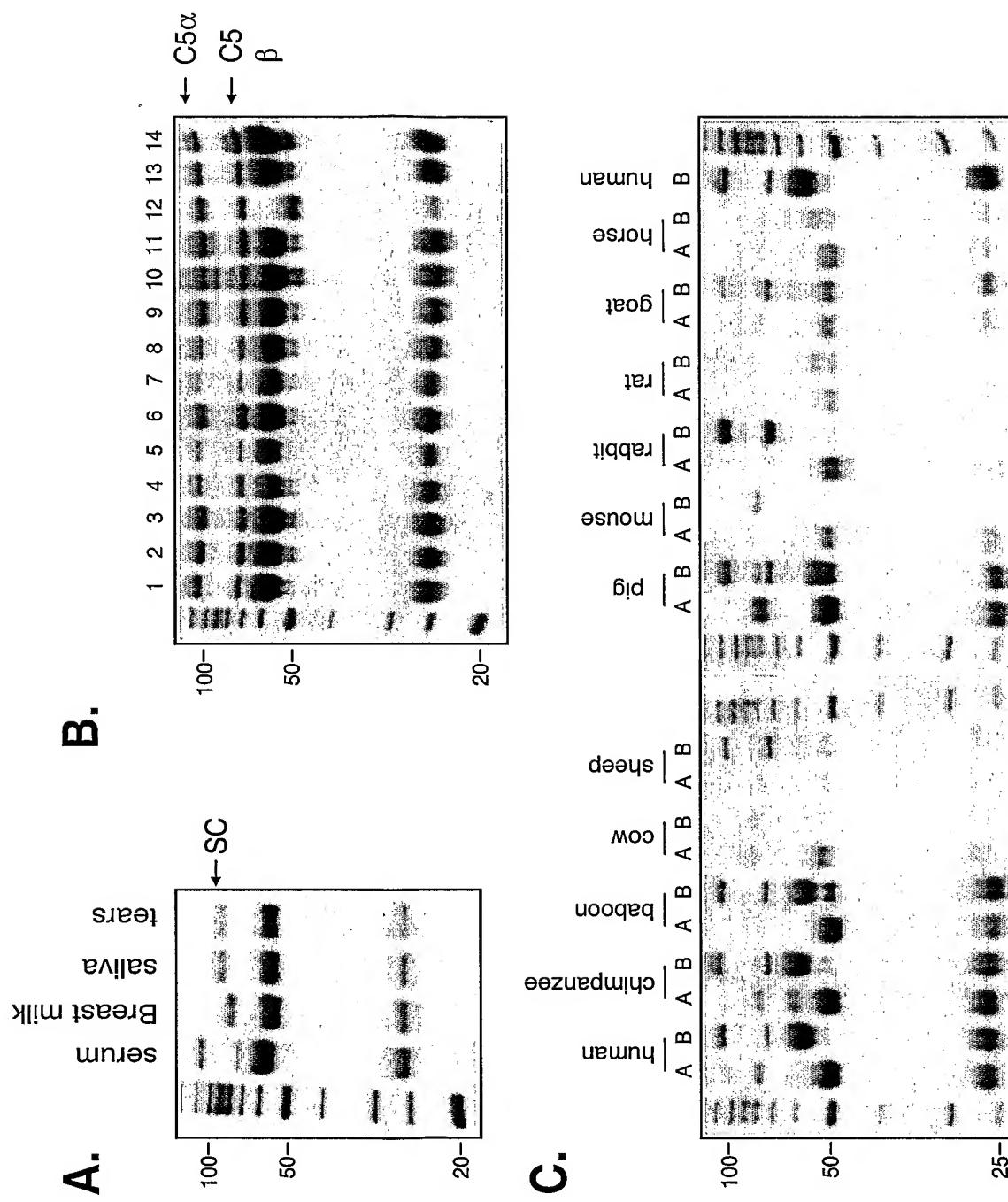


Figure 3

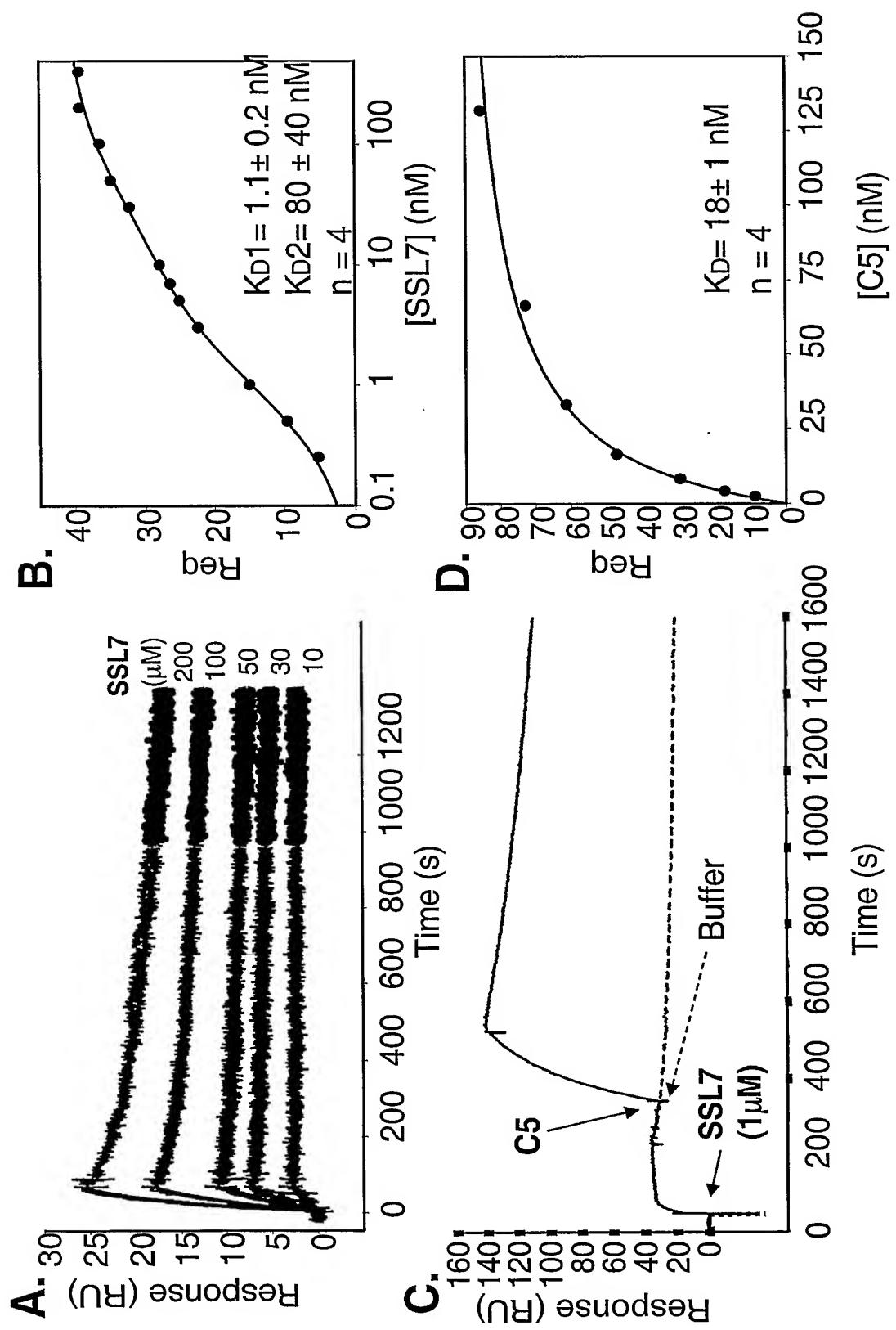


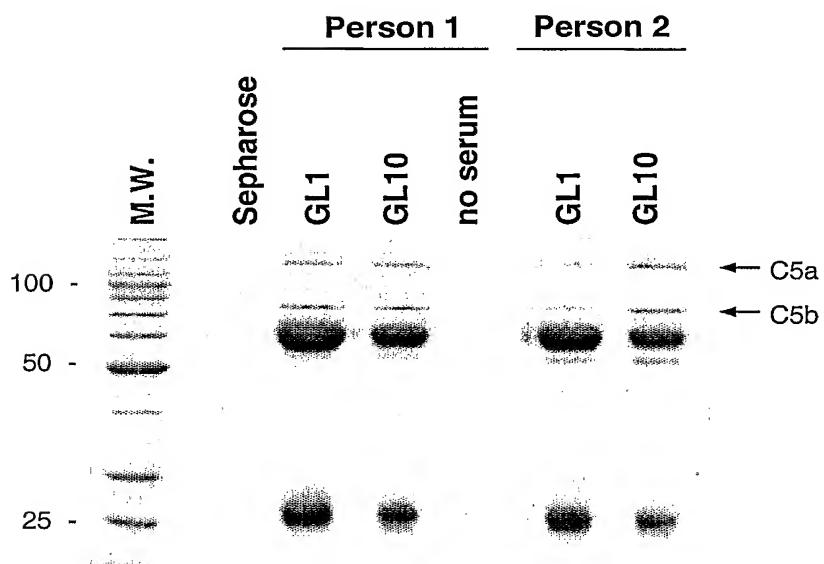
Figure 4

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A.

SSL7,GL10	KEKQERVQHLYDIKDLHRYYSSESFSDFSNISGKVENYNGNSNVVRFNQDGQNHQLFLLGED
SSL7,GL1	KEKQERVQHLYDIKDLHRYYSSESFSFEFSNISGKVENYNGNSNVVRFNQEKQNHQLFLLGED
SSL7,MW2	KEKQERVQHLYDIKDLHRYYSSESFSFEFSNISGKVENYNGNSNVVRFNQENQNHQLFLLGKD
SSL7,NCTC8325	KEKQERVQHLYDIKDLHRYYSSESFSFEFSNISGKVENYNGNSNVVRFNQEKQNHQLFLLGKD
SSL7,Mu50	KEKQERVQHLYDIKDLHRYYSSESFSFEFSNISGKVENYNGNSNVVRFNQEKQNHQLFLLGKD
SSL7,N315	KEKQERVQHLYDIKDLHRYYSSESFSFEFSNISGKVENYNGNSNVVRFNQEKQNHQLFLLGKD
SSL7,NCTC6571	AEKQERVQHLDIQLHRYYSSESFSFEYSNVSGKVENYNGNSNVVRFNPKDQNHQLFLLGKD
*****:*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
SSL7,GL10	KAKYKQGLEQNVFVVKELIDPNGLRSTVGGVTKKNNQSSETNTPLFVVKVYGGNLDAASI
SSL7,GL1	KAKYKQGLQGQDVFVVKELIDPNGLRSTVGGVTKKNNQSSETNIHLLVNKLDDGNNLDATN
SSL7,MW2	KDKYKEGLEQNVFVVKELIDPNGLRSTVGGVTKKNNQSSETNTPLFVVKVYGGNLDAASI
SSL7,NCTC8325	KEKYKEGIEKGKDVFVVKELIDPNGLRSTVGGVTKKNNQSSETNTHLFVVKVYGGNLDAASI
SSL7,Mu50	KDKYKKGLEQNVFVVKELIDPNGLRSTVGGVTKKNNQSSETNTHLFVVKVYGGNLDAASI
SSL7,N315	KDKYKKGLEQNVFVVKELIDPNGLRSTVGGVTKKNNQSSETNTHLFVVKVYGGNLDAASI
SSL7,NCTC6571	KEQYKEGLQGQNVFVVKELIDPNGLRSTVGGVTKKNNQSSETNTHLFVVKVYGGNLDAASI
* :*:*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
SSL7,GL10	ESFSINKEEVSLKELDFKIRQHVLVKNYGLYKGTTKYGKTFNLKDGEKKEIDLGDKLQFE
SSL7,GL1	DSFLINKEEVSLKELDFKIRQKLVKLYQGTSKYGKTIILNGGKKQEIIDLGDKLQFE
SSL7,MW2	ESFLINKEEVSLKELDFKIRQHVLVKNYGLYKGTTKYGKTFNLKDGEKQEIDLGDKLQFE
SSL7,NCTC8325	DSFSINKEEVSLKELDFKIRQHVLVKNYGLYKGTTKYGKTIINLKDGKQEIIDLGDKLQFE
SSL7,Mu50	DSFLINKEEVSLKELDFKIRQKLVKLYQGTSKYGKTIINLKDGKQEIIDLGDKLQFE
SSL7,N315	DSFLINKEEVSLKELDFKIRQKLVKLYQGTSKYGKTIINLKDGKQEIIDLGDKLQFE
SSL7,NCTC6571	DSFLIQKEEISLKELDFKIRQQLVNNYGLYKGTSKYGKIIINLKDENKVIEDLGDKLQFE
:*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	
SSL7,GL10	HMGDVLSNSKDIQNIAVTLLKQI
SSL7,GL1	RMGDVLSNSKDIINK1EVTLKQI
SSL7,MW2	HMGDVLSNSKDIQNIATV1NQI
SSL7,NCTC8325	RMGDVLSNSKDIINK1EVTLKQI
SSL7,Mu50	RMGDVLSNSKDIQNIATV1NQI
SSL7,N315	RMGDVLSNSKDIQNIATV1NQI
SSL7,NCTC6571	RMGDVLSNSKDIRG1SVTINQI
*****:*****:*****:*****:*****:*****:*****:*****:*****:*****	

B.



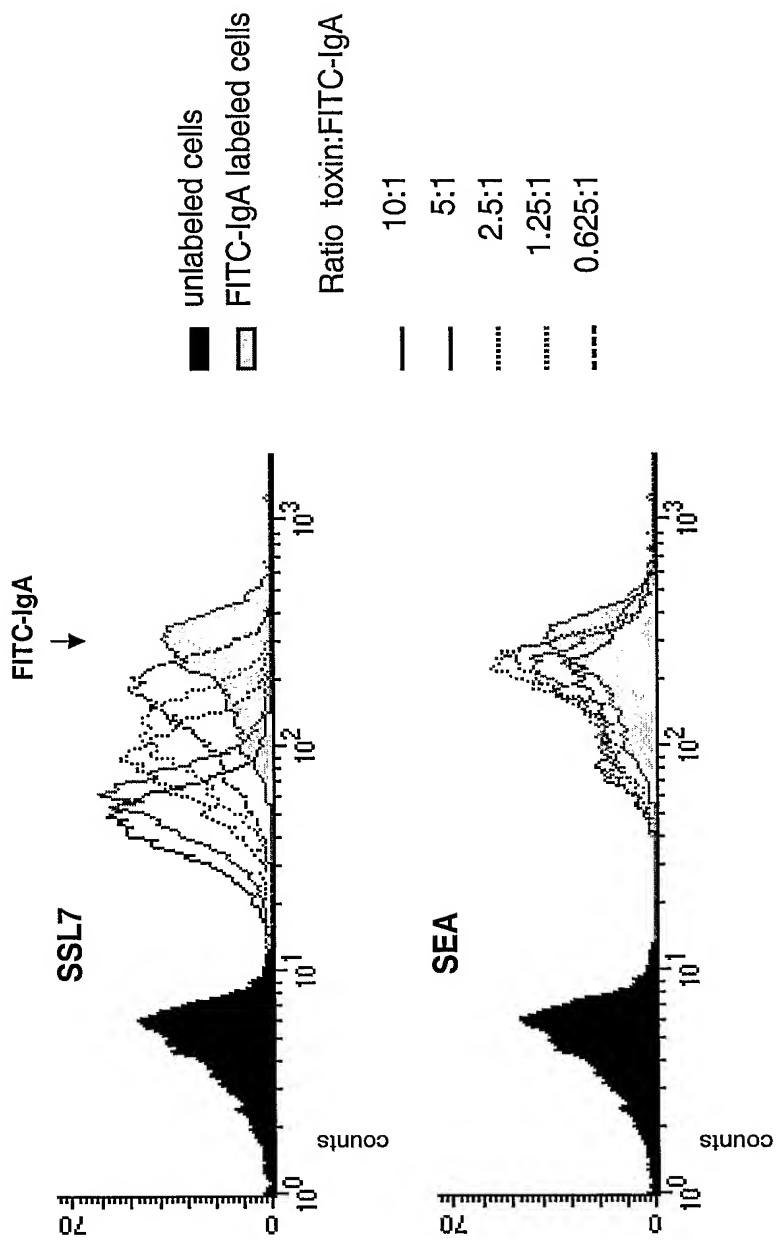


Figure 6

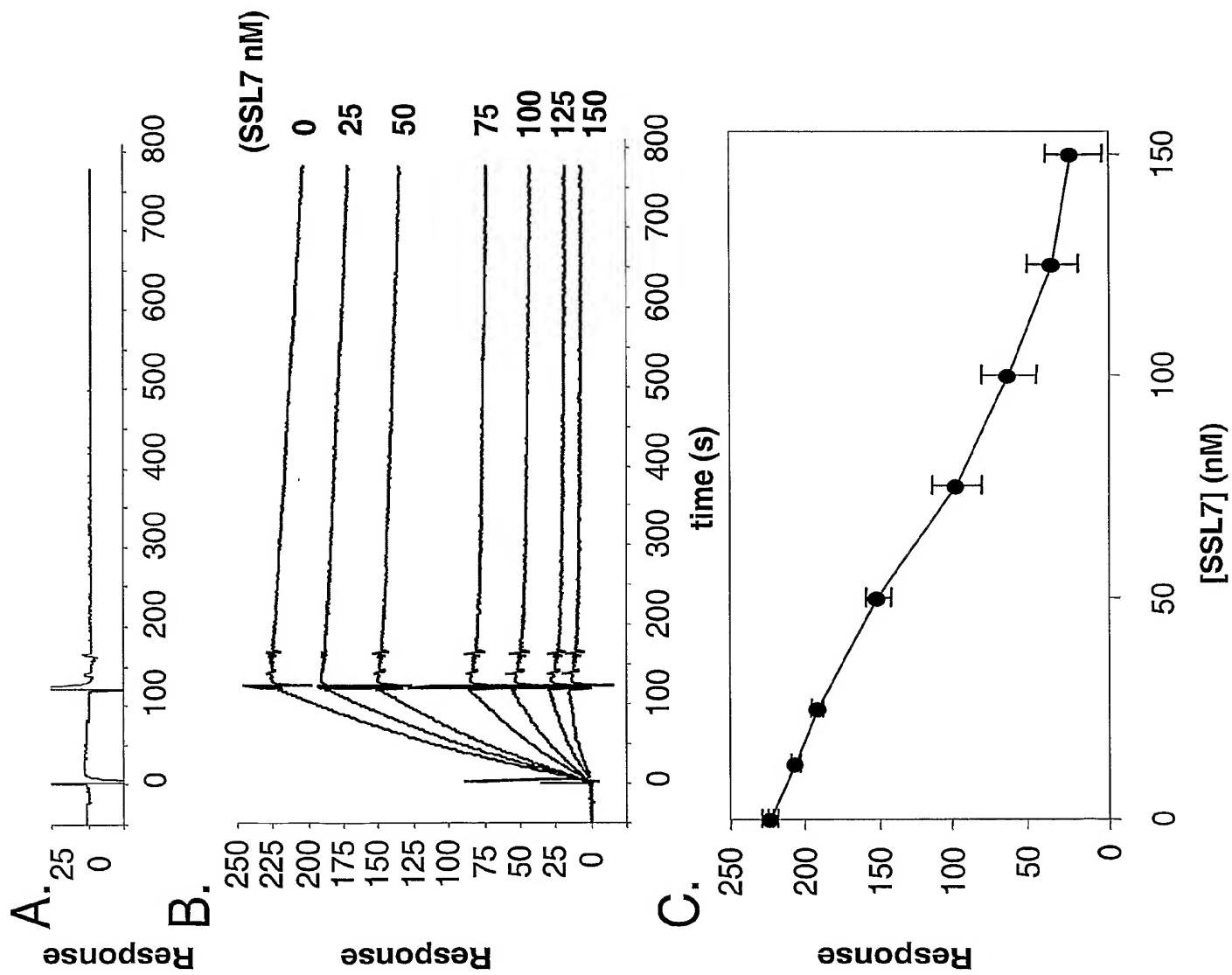


Figure 7

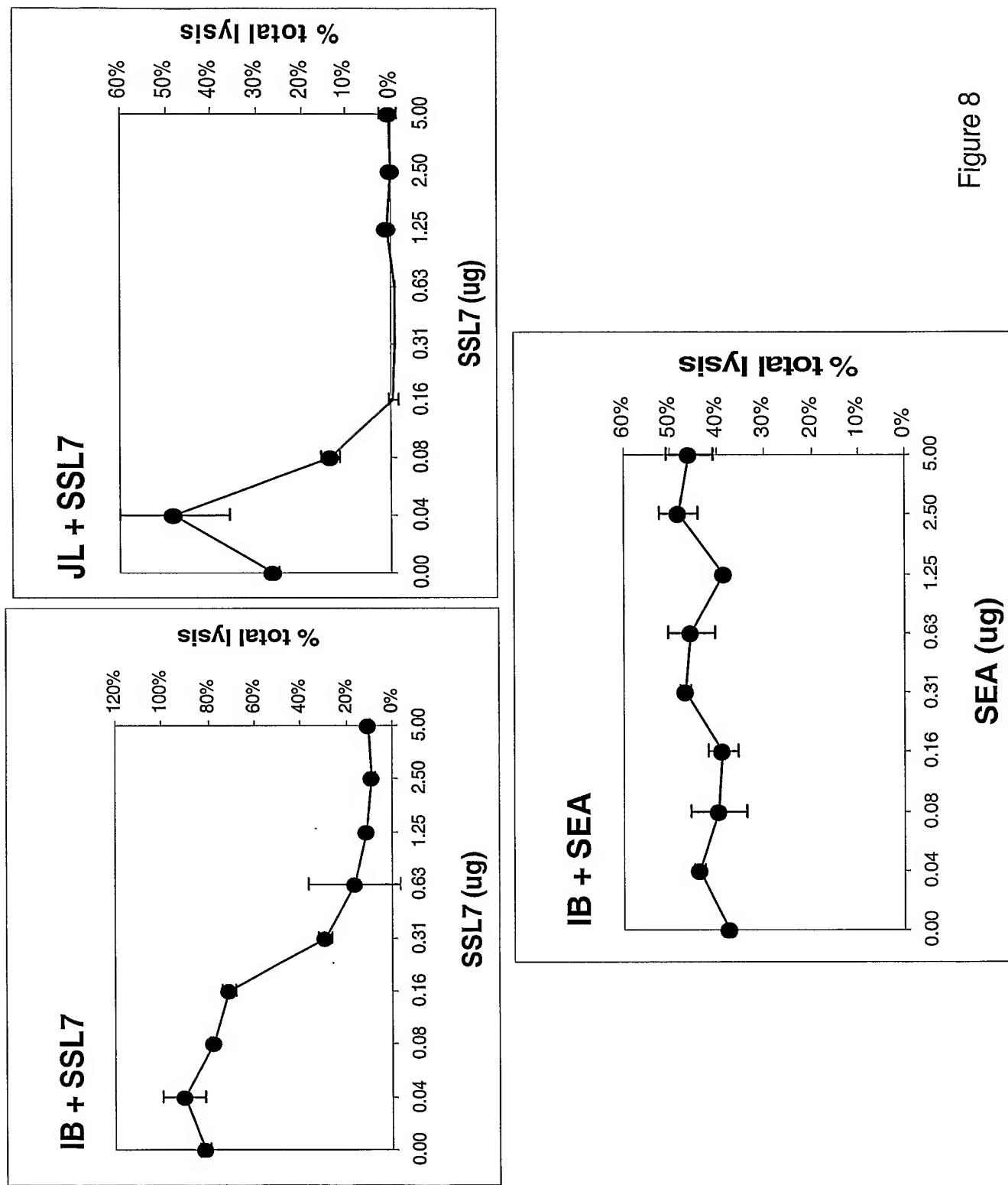
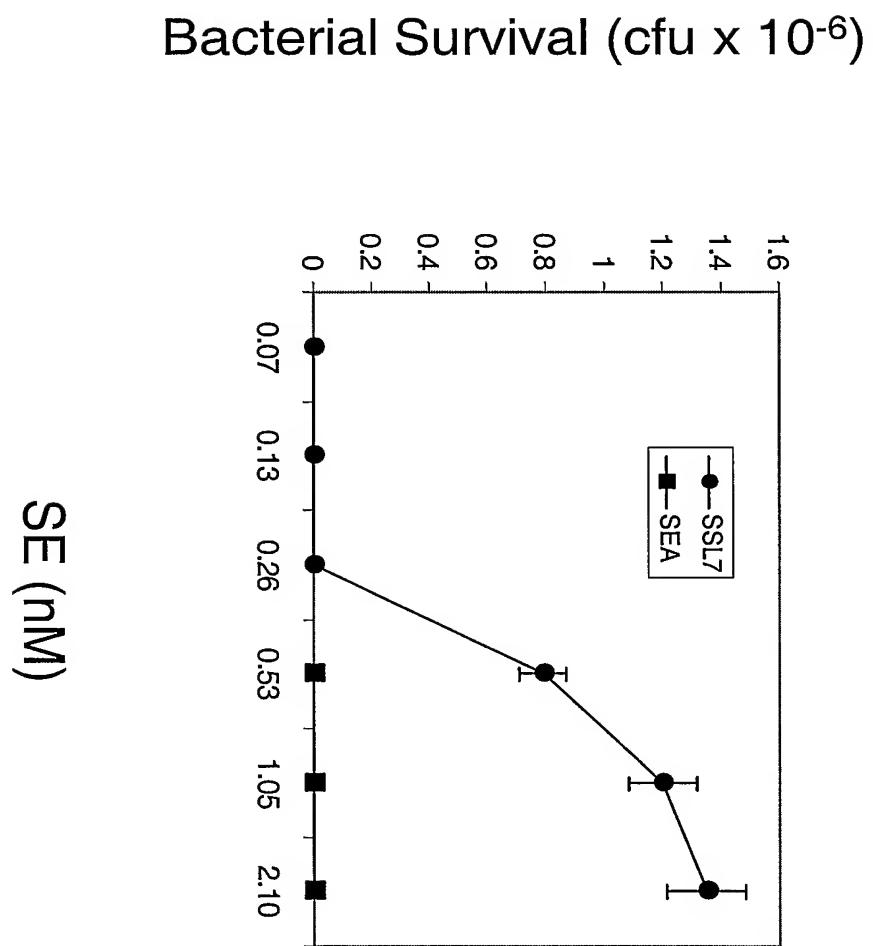


Figure 8

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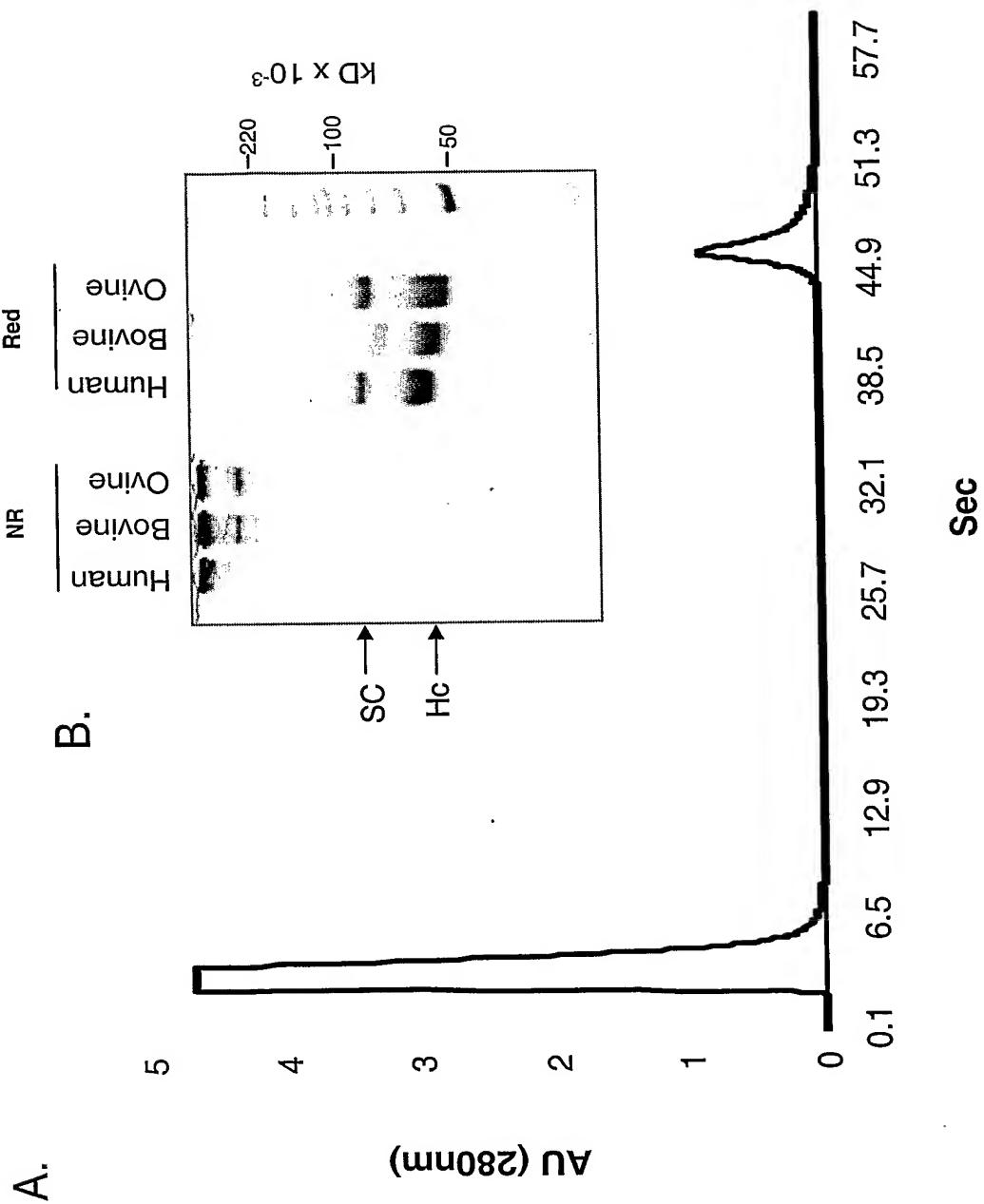


Figure 10